

Common Sense Initiative, Automobile Manufacturing Sector

***U.S. Automobile Assembly Plants and Their Communities:
Environmental Economic, and Demographic Profile***

**Part III: Automobile/Light Duty Truck Assembly
Plant-Community Profiles**

**32. Ford Motor Co.
Wayne, MI**

December 1997

Contents and Guidelines for Use

Users of this profile should carefully review the description of methods, data limitations, and guidelines for use and interpretation of the data presented in Part I of the report.

Contents:

Plant Locations (National and Michigan maps)
Plant Location, Database Identification Numbers, 1994 Production and Employment
1991 and 1993 RCRA Biennial Report Summary
1991-1994 TRI Releases and Transfers Summary
1994 TRI Releases and Transfers by Chemical
1991-1994 Volatile Organic Compound and Nitrogen Oxide Emissions
1994 Summary of TRI Chemical Releases and Transfers from Sources within 3 Miles of Assembly Plant
Air Quality Attainment Status for Criteria Pollutants (as of 1994)
Community Demographic and Economic Characteristics
Facility Location (map)
Area Wide 1994 TRI Emission Profile (map)
1994 TRI Releases and Transfers from Sources within 3 Miles of Assembly Plant, by Chemical
Demographic Characteristics (maps)

General Guidelines for Use

Efforts have been made to ensure that the data presented here are accurate. The Project Team could not independently verify data accuracy in all cases, however, and some errors may remain. The following is a partial list of factors that should be considered in using these profiles:

1. Current releases presented in this report represent only some of the contamination sources in a given area. Data on historical releases (prior to 1991) were not included, and releases from non-assembly plant emission sources were identified only through the Toxics Release Inventory (TRI). TRI data do not cover all sources of releases. Considering only TRI data for a given community may mis-state the relative contribution of plants and their neighboring TRI facilities to an area's total releases.
2. Care must be taken to distinguish true changes over time in environmental releases from apparent changes, due, for example, to changes in the scope of reporting requirements.
3. TRI data are often based on engineering estimates and are reported on an annual basis. Data on releases over shorter time frames are not available.
4. TRI, the Biennial Report and other databases do not include all substances and environmental releases of concern.

Notes on Comparisons Across Facilities

1. The following factors can affect an assembly plant's environmental profile, among other things: the number of vehicles produced, plant age, process equipment age, and vehicle size and configuration.
2. Some plants are highly-integrated, performing some parts and all assembly steps in-house. Others obtain parts from other manufacturing facilities, or share assembly operations with another plant.
3. States differ in how they define hazardous waste and how they treat recycled wastes and small quantity generators. Therefore, data on quantities of BRS wastes generated may not be comparable for plants located in different states.
4. Area-wide averages for economic and demographic characteristics may be better or worse measures of the plant's immediate community, depending on the specific location of a plant within the reporting area.

Plant-Community Profile:
Ford Motor Co.
Wayne MI

12/3/97

| | | | | | | | |
|------------|---|-------------------------------------|------------|-------------|---|--------------|---------------|
| LOCATION | Address | 38303 Michigan Ave., Wayne MI 48184 | | DESCRIPTION | Plant opened 1964; Produced | | |
| | Lat/Long: | latitude (degrees N) | 42 16' 41" | | Ford F series pickups and Broncos in 1994 | | |
| | | longitude (degrees W) | 83 25' 1" | ID NUMBERS | RCRA ID | MID000809228 | |
| | County: | Wayne | MSA: | | Detroit MI | AIRS ID | AFS2616300379 |
| | Other counties within 3 miles of plant: | | none | | NPDES ID | MI0003387 | |
| OPERATIONS | | Production | Employment | TRI | 48184FRDMT38303 | | |
| | Calendar Year: 1991 | 78,881 | | | | | |
| | 1992 | 102,358 | | | | | |
| | 1993 | 133,707 | | | | | |
| | 1994 | 200,312 | 2,063 | | | | |

PLANT ENVIRONMENTAL PROFILE

RCRA BIENNIAL REPORT

| <i>Waste Code(s)</i> | <i>Wastewater?</i> | <i>Physical Form</i> | <i>Source</i> | <i>Mgd. On/Off-Site</i> | <i>Management Method</i> | <i>Quantity Generated (tons)</i> | <i>Quantity Shipped (tons)</i> | <i>Quantity Mgd. On-Site (tons)</i> |
|---------------------------|--------------------|----------------------|-------------------------|-------------------------|--------------------------|--------------------------------------|------------------------------------|---|
| <i>1991</i> | | | | | | | | |
| D001 (ignitable) | N | B211 org. liquids | A21 painting | Off | M029 solvents recov. | 2.1 | 2.1 | 0.0 |
| F003 (nonhalog. solvents) | Y | B101 inorg. liquids | A89 other poll. control | Off | M029 solvents recov. | 229.8 | 229.8 | 0.0 |
| F003 (nonhalog. solvents) | N | B211 org. liquids | A21 painting | Off | M022 solvents recov. | 91.7 | 91.7 | 0.0 |
| F003 (nonhalog. solvents) | N | B211 org. liquids | A21 painting | Off | M029 solvents recov. | 212.3 | 212.3 | 0.0 |
| TOTAL - 1991 | | | | | | 535.9 | 535.9 | 0.0 |
| <i>1993</i> | | | | | | | | |
| D001 (ignitable) | Y | B101 inorg liquid | A19 other clean/degr. | Off | M111 stabilization | 0.5 | 0.5 | 0.0 |
| D001 (ignitable) | N | B211org. liquid | A21 painting | Off | M029 solvents recov. | 0.3 | 0.3 | 0.0 |
| D002 (corrosive) | Y | B105 inorg liquid | A03 caustic cleaning | Off | M111 stabilization | 3.4 | 3.4 | 0.0 |
| D002 (corrosive) | Y | B105 inorg liquid | A19 other clean/degr. | Off | M111 stabilization | 1.9 | 1.9 | 0.0 |
| D002 (corrosive) | Y | B110 inorg liquid | A03 caustic cleaning | Off | M111 stabilization | 1.5 | 1.5 | 0.0 |
| D010 (selenium) | Y | B101 inorg liquid | A19 other clean/degr. | Off | M111 stabilization | 2.1 | 2.1 | 0.0 |
| F003 (non-halog solvents) | Y | B101 inorg liquid | A89 other poll. control | Off | M029 solvents recov. | 115.3 | 115.3 | 0.0 |
| F003 (non-halog solvents) | N | B211org. liquid | A21 painting | Off | M022 solvents recov.} | 879.3 | 645.1 | 0.0 |
| F003 (non-halog solvents) | N | B211org. liquid | A21 painting | Off | M022 solvents recov.} | | 234.2 | 0.0 |
| TOTAL - 1993 | | | | | | 1,004.3 | 1,004.3 | 0.0 |

TOXICS RELEASE INVENTORY

| | <i>Air-Fugitive Emissions</i> | <i>Air-Stack Emissions</i> | <i>Total Releases</i> | <i>Discharge to POTW</i> | <i>Off-Site Energy Recovery</i> | <i>Off-Site Recycling</i> | <i>Off-Site Treatment</i> | <i>Off-Site Disposal</i> | <i>Total Transfers</i> |
|------------------------------------|-----------------------------------|--------------------------------|---------------------------|------------------------------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|----------------------------|
| Total lbs of TRI chemicals: | | | | | | | | | |
| 1991 | 15,408 | 561,816 | 577,224 | 21,790 | 220,740 | 119,890 | 8,055 | 16,130 | 386,605 |
| 1992 | 39,722 | 914,735 | 954,457 | 28,554 | 125,813 | 164,900 | 930 | 39,650 | 359,847 |
| 1993 | 32,644 | 1,245,506 | 1,278,150 | 17,359 | 312,030 | 561,520 | 4,191 | 11,220 | 906,320 |
| 1994 | 81,975 | 887,735 | 969,710 | 32,059 | 294,010 | 1,075,815 | 26,530 | 19,253 | 1,447,667 |
| Lbs. per vehicle produced: | | | | | | | | | |
| 1991 | 0.20 | 7.12 | 7.32 | 0.28 | 2.80 | 1.52 | 0.10 | 0.20 | 4.90 |
| 1992 | 0.39 | 8.94 | 9.32 | 0.28 | 1.23 | 1.61 | 0.01 | 0.39 | 3.52 |
| 1993 | 0.24 | 9.32 | 9.56 | 0.13 | 2.33 | 4.20 | 0.03 | 0.08 | 6.78 |
| 1994 | 0.41 | 4.43 | 4.84 | 0.16 | 1.47 | 5.37 | 0.13 | 0.10 | 7.23 |

**Plant-Community Profile:
Ford Motor Co.
Wayne MI**

12/16/97

PLANT ENVIRONMENTAL PROFILE (continued)

1994 TRI Emissions/Releases by Chemical (lbs.)

| Chemical Name | Air-Fugitive Emissions | Air-Stack Emissions | Total Releases | Discharge to POTW | Off-Site Energy Recovery | Off-Site Recycling | Off-Site Treatment | Off-Site Disposal | Total Transfers |
|----------------------------|-----------------------------------|--------------------------------|---------------------------|------------------------------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|----------------------------|
| METHANOL | 680 | 57,000 | 57,680 | 490 | 0 | 17,300 | 5 | 0 | 17,795 |
| N-BUTYL ALCOHOL | 330 | 66,000 | 66,330 | 0 | 13,000 | 25,000 | 5 | 0 | 38,005 |
| BENZENE | 50 | 630 | 680 | 0 | 0 | 0 | 0 | 0 | 0 |
| METHYL ETHYL KETONE | 48 | 9,600 | 9,648 | 0 | 1,900 | 15,000 | 5 | 0 | 16,905 |
| 1,2,4-TRIMETHYLBENZENE | 25 | 5,000 | 5,025 | 0 | 900 | 0 | 0 | 0 | 900 |
| ETHYLBENZENE | 450 | 85,000 | 85,450 | 0 | 52,000 | 110,000 | 250 | 0 | 162,250 |
| ETHYLENE GLYCOL | 0 | 0 | 0 | 2,800 | 0 | 0 | 0 | 0 | 2,800 |
| METHYL ISOBUTYL KETONE | 730 | 150,000 | 150,730 | 0 | 680 | 330,000 | 5 | 0 | 330,685 |
| TOLUENE | 110 | 4,500 | 4,610 | 0 | 530 | 20,800 | 5 | 0 | 21,335 |
| CYCLOHEXANE | 2 | 35 | 37 | 0 | 0 | 0 | 0 | 0 | 0 |
| DI(2-ETHYLHEXYL) PHTHALATE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,600 | 1,600 |
| XYLENE (MIXED ISOMERS) | 1,800 | 340,000 | 341,800 | 0 | 160,000 | 550,000 | 250 | 0 | 710,250 |
| METHYL TERT-BUTYL ETHER | 490 | 9,700 | 10,190 | 0 | 0 | 0 | 0 | 0 | 0 |
| COPPER | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| NITRIC ACID | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLYCOL ETHERS | 77,000 | 160,000 | 237,000 | 28,000 | 65,000 | 7,700 | 5 | 0 | 100,705 |
| LEAD COMPOUNDS | 0 | 270 | 270 | 69 | 0 | 5 | 26,000 | 142 | 26,216 |
| MANGANESE COMPOUNDS | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 10 |
| NICKEL COMPOUNDS | 0 | 0 | 0 | 420 | 0 | 0 | 0 | 6,500 | 6,920 |
| ZINC COMPOUNDS | 250 | 0 | 250 | 280 | 0 | 5 | 0 | 11,006 | 11,291 |
| TOTAL | 81,975 | 887,735 | 969,710 | 32,059 | 294,010 | 1,075,815 | 26,530 | 19,253 | 1,447,667 |

**VOC/NOx Emissions:
(lbs/year)**

| | VOCs | NO2 |
|------|-------------|------------|
| 1990 | 2,206,672 | 73,478 |
| 1991 | 568,958 | 73,478 |
| 1992 | 568,958 | 73,478 |
| 1993 | 841,820 | 48,166 |
| 1994 | 1,868,278 | 300 |

**Plant-Community Profile:
Ford Motor Co.
Wayne MI**

12/3/97

COMMUNITY ENVIRONMENTAL PROFILE

TRI Chemical Releases & Transfers from Sources Within 3 Miles of Auto/LDT Plant (lbs.)

| <i>Facility (w. map #)</i> | <i>Air-Fugitive Emissions</i> | <i>Air-Stack Emissions</i> | <i>Total Releases</i> | <i>Discharge to POTW</i> | <i>Off-Site Transfers</i> | <i>Total Transfers</i> |
|-----------------------------------|-----------------------------------|--------------------------------|---------------------------|------------------------------|-------------------------------|----------------------------|
| 1 RED SPOT WESTLAND INC. WESTLAND | 29,131 | 1,790 | 30,921 | 0 | 231,170 | 231,170 |
| 2 CUL-MAC IND. INC. | 250 | 250 | 500 | 0 | 0 | 0 |
| 3 AMERICAN JETWAY CORP. | 1,250 | 1,250 | 2,500 | 0 | 100,530 | 100,530 |
| 4 STRUCTURAL COATINGS & CHEMICALS | 0 | 1,800 | 1,800 | 0 | 112,104 | 112,104 |
| 5 JERVIS B. WEBB CO. PLANT #4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 UNISTRUT DIVERSIFIED PRODS. CO. | 3,415 | 720 | 4,177 | 4,036 | 52,210 | 56,246 |
| 7 FORD MOTOR CO. WAYNE ASSEMBLY | 59,417 | 909,582 | 968,999 | 36,130 | 889,931 | 926,061 |
| 9 FORD MOTOR CO. WAYNE INTEGRAL | 1,075 | 0 | 1,075 | 1 | 557 | 558 |
| 10 MICRO PLATERS SALES DBA HAJJAR | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 WOOLF AIRCRAFT PRODS. | 5,038 | 28,548 | 33,586 | 0 | 5,012 | 5,012 |
| 12 DAVIDSON INTERIORS TEXTRON | 5 | 250 | 255 | 0 | 9,758 | 9,758 |
| 13 GMC CPC ROMULUS ENGINE OPERA | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 99,581 | 944,190 | 1,043,813 | 40,167 | 1,401,272 | 1,441,439 |

**Air Quality Attainment Status
(as of 1994)**

ozone - nonattainment (moderate)*
carbon monoxide - attainment or unclassifiable
particulates - unclassifiable
lead - unclassifiable
NO2 - cannot be classified or better than national standards
SO2 - attainment

* redesignated as attainment effective 4/6/95 (60 FR 12459)

**Plant-Community Profile:
Ford Motor Co.
Wayne MI**

12/3/97

COMMUNITY DEMOGRAPHIC AND ECONOMIC CHARACTERISTICS

| | <i>Census Block</i> | <i>0-1 Mile</i> | <i>0-3 Miles</i> | <i>1-3 Miles</i> | <i>3-5 Miles</i> | <i>County</i> | <i>State</i> | <i>U.S.</i> |
|--|-------------------------|-----------------|------------------|------------------|------------------|---------------|--------------|-------------|
| Total Population (1994) | NA | NA | NA | NA | NA | 2,064,819 | 9,496,539 | 260,340,990 |
| Total Population (1990) | 402 | 2,550 | 67,756 | 65,206 | 109,254 | 2,111,687 | 9,295,297 | 248,709,873 |
| % Change 1990-1994 | NA | NA | NA | NA | NA | -2 | 2 | 5 |
| Total Area (sq. mi.) (1990) | 0.6 | 3.1 | 28.2 | 25.1 | 50.2 | 614.1 | 56,809.2 | 3,536,278.1 |
| Population/sq. mi. (land area) (1990) | 689 | 816 | 2,409 | 2,608 | 2,253 | 3,438 | 164 | 70 |
| Median Household Income (1994) | | | | | | NA | 35,284 | 32,264 |
| Median Household Income (1989) | | | | | | 27,997 | 31,020 | 30,056 |
| % Change 1979-1989 (constant \$) | | | | | | -10 | -4 | 7 |
| % Change 1989-1994 (constant \$) | | | | | | NA | 14 | 7 |
| Per Capita Personal Income (1993) | | | | | | 19,912 | 20,584 | 20,800 |
| Per Capita Personal Income (1989) | | | | | | 17,104 | 17,546 | 17,690 |
| % Change 1989-1993 (current \$) | | | | | | 16 | 17 | 18 |
| Minority Percentage (1990) | 0 | 2 | 6 | 6 | 14 | 42 | 16 | 20 |
| Pct. of Households Below Poverty Level (1989) | 13 | 6 | 15 | 15 | 13 | 25 | 23 | 20 |
| Pct. Not Completing High School (1990) | 48 | 18 | 24 | 24 | 22 | 30 | 23 | 25 |
| Total Employment (1994) (civilian nonfarm) | | | | | | 929,642 | 4,753,000 | 131,056,000 |
| Unemployment Rate (1994) | | | | | | 7 | 6 | 6 |
| Manufacturing Employment (1993) | | | | | | 182,126 | 906,672 | 18,183,381 |
| Mfgr. as % Total Employment (1993) | | | | | | 26 | 26 | 19 |
| Manufacturing Employment (1992) | | | | | | 187,100 | 917,000 | 18,253,000 |
| Production Workers (1992) | | | | | | 93,500 | 574,000 | 11,654,000 |
| % Change in Mfgr. Employment 1987-1992 | | | | | | -19 | -7 | -4 |
| Assembly Plant as % Total Mfgr. Workers | | | | | | 1 | | |

Data sources used were not always complete or current.
Attempts have been made to verify data, but errors may still exist.

Wayne, MI, Ford Plants



Streets98

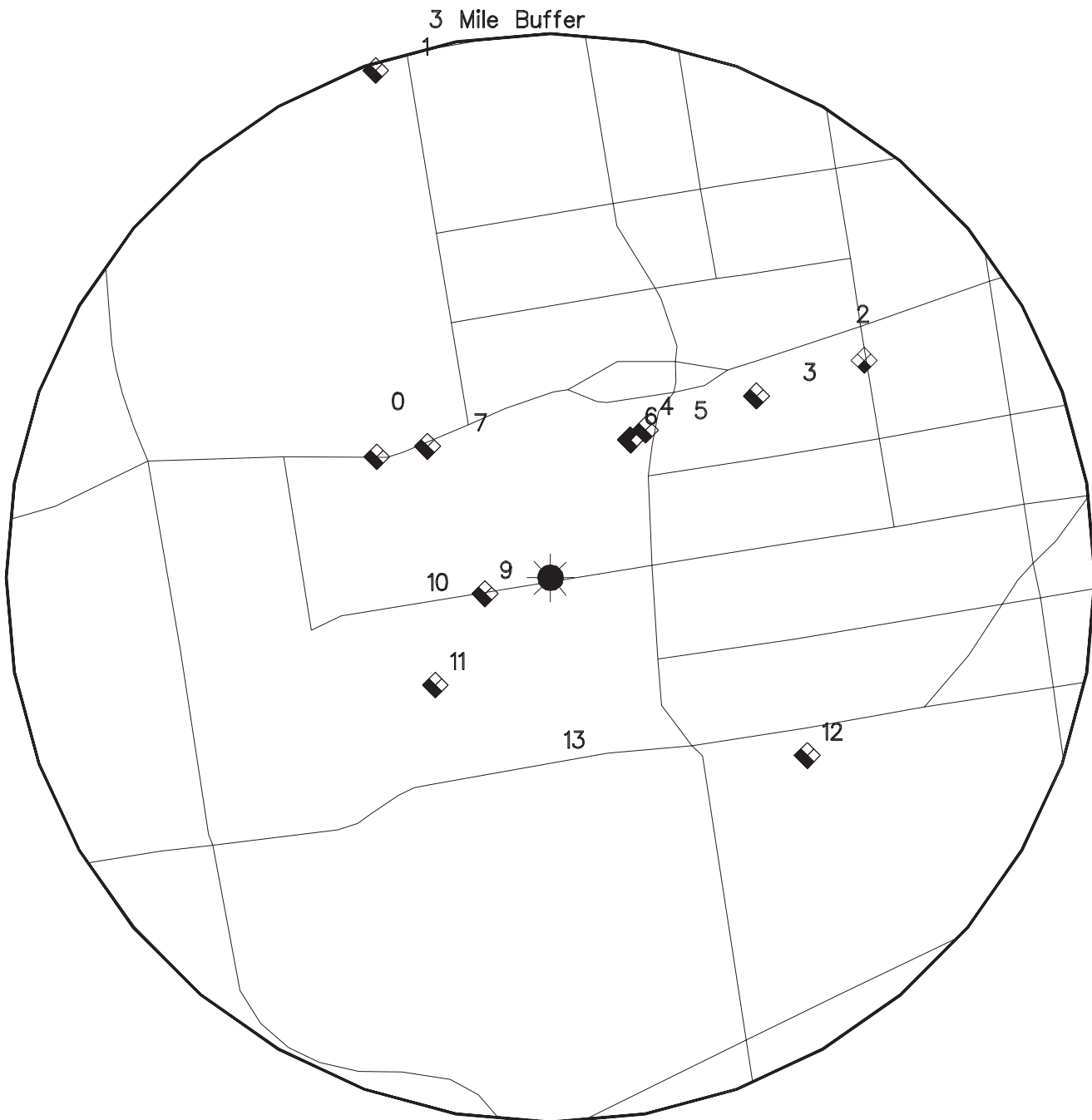
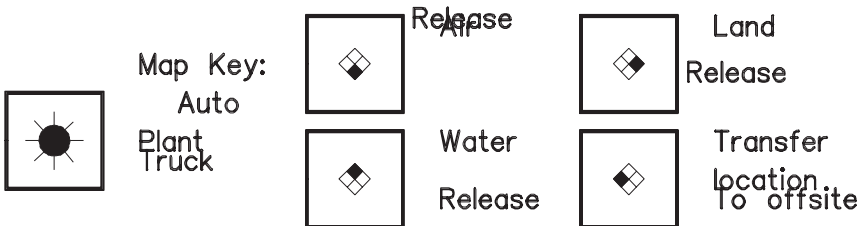
FORD MOTOR CO
38303 MICHIGAN AVE
WAYNE MI
Tri Number: 48184FRDMT38303

| Map # | SIC | Name | Address | City | State |
|-------|------|--|---------------------|----------|-------|
| 0 | 3711 | FORD MOTOR CO. MICHIGAN TRUCK PLANT | 38303 MICHIGAN AVE. | WAYNE | MI |
| 1 | 2851 | RED SPOT WESTLAND INC. WESTLAND | 550 S. EDWIN ST. | WESTLAND | MI |
| 2 | 2899 | CUL-MAC IND. INC. | 3720 S. VENOY RD. | WAYNE | MI |
| 3 | 2899 | AMERICAN JETWAY CORP. | 34136 MYRTLE ST. | WAYNE | MI |
| 4 | 2851 | STRUCTURAL COATINGS & CHEMICALS INC. | 5645 COGSWELL RD. | WAYNE | MI |
| 5 | 3535 | JERVIS B. WEBB CO. PLANT #4 | 4935 HANNON | WAYNE | MI |
| 6 | 3441 | UNISTRUT DIVERSIFIED PRODS. CO. | 35660 CLINTON ST. | WAYNE | MI |
| 7 | 3711 | FORD MOTOR CO. WAYNE ASSEMBLY PLANT | 37625 MICHIGAN AVE. | WAYNE | MI |
| 9 | 3465 | FORD MOTOR CO. WAYNE INTEGRAL STAMPING | 37500 VAN BORN | WAYNE | MI |
| 10 | 3471 | MICRO PLATERS SALES DBA HAJJAR PLATING SERVICE | 38300 VAN BORN RD. | WAYNE | MI |
| 11 | 3498 | WOOLF AIRCRAFT PRODS. | 6401 COGSWELL | ROMULUS | MI |
| 12 | 3714 | DAVIDSON INTERIORS TEXTRON | 1515 NEWBURGH RD. | WESTLAND | MI |
| 13 | 3519 | GMC CPC ROMULUS ENGINE OPERATIONS | 36880 ECORSE RD. | ROMULUS | MI |

AREA WIDE 1994 TRI EMISSION PROFILE

FORD MOTOR CO
WAYNE COUNTY, Michigan

Latitude: 42 16 41
Longitude: 83 25 1



Number without a Symbol denotes no reported emissions over 0.5 pounds per year

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
FORD MOTOR CO TRI NO: 48184FRDMT38303

| Chemical Name | Air Fugitive (Non-Point Source) Emissions | Air Stack (Point Source) Emissions | Discharge to Surface Water | On-Site Land Disposal | TOTAL RELEASES | Discharge to POTW | Transfer | TOTAL TRANSFERS |
|-------------------------------------|--|---|-------------------------------------|--------------------------------|-------------------|----------------------|-----------|--------------------|
| <hr/> | | | | | | | | |
| FORD MOTOR CO. MICHIGAN TRUCK PLANT | | | SIC DESCRIPTION: | MOTOR VEHICLES & CAR BODIES | MAP LOCATION NO: | | 0 | |
| 38303 MICHIGAN AVE. | | | SIC CODE: 3711 | | | | | |
| WAYNE | MI 48184 | | | | | | | |
| METHANOL | 680 | 57,000 | 0 | 0 | 57,680 | 490 | 17,305 | 17,795 |
| N-BUTYL ALCOHOL | 330 | 66,000 | 0 | 0 | 66,330 | 0 | 38,005 | 38,005 |
| BENZENE | 50 | 630 | 0 | 0 | 680 | 0 | 0 | 0 |
| METHYL ETHYL KETONE | 48 | 9,600 | 0 | 0 | 9,648 | 0 | 16,905 | 16,905 |
| 1,2,4-TRIMETHYLBENZENE | 25 | 5,000 | 0 | 0 | 5,025 | 0 | 900 | 900 |
| ETHYLBENZENE | 450 | 85,000 | 0 | 0 | 85,450 | 0 | 159,250 | 159,250 |
| ETHYLENE GLYCOL | 0 | 0 | 0 | 0 | 0 | 2,800 | 0 | 2,800 |
| METHYL ISOBUTYL KETONE | 730 | 150,000 | 0 | 0 | 150,730 | 0 | 330,685 | 330,685 |
| TOLUENE | 110 | 4,500 | 0 | 0 | 4,610 | 0 | 21,335 | 21,335 |
| CYCLOHEXANE | 2 | 35 | 0 | 0 | 37 | 0 | 0 | 0 |
| DI(2-ETHYLHEXYL) PHTHALATE | 0 | 0 | 0 | 0 | 0 | 0 | 1,600 | 1,600 |
| XYLENE (MIXED ISOMERS) | 1,800 | 340,000 | 0 | 0 | 341,800 | 0 | 710,250 | 710,250 |
| METHYL TERT-BUTYL ETHER | 490 | 9,700 | 0 | 0 | 10,190 | 0 | 0 | 0 |
| COPPER | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| NITRIC ACID | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| GLYCOL ETHERS | 77,000 | 160,000 | 0 | 0 | 237,000 | 28,000 | 72,705 | 100,705 |
| LEAD COMPOUNDS | 0 | 270 | 0 | 0 | 270 | 69 | 26,147 | 26,216 |
| MANGANESE COMPOUNDS | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| NICKEL COMPOUNDS | 0 | 0 | 0 | 0 | 0 | 420 | 6,500 | 6,920 |
| ZINC COMPOUNDS | 250 | 0 | 0 | 0 | 250 | 280 | 11,011 | 11,291 |
| SUBTOTALS | 81,975 | 887,735 | 0 | 0 | 969,710 | 32,059 | 1,412,608 | 1,444,667 |
| <hr/> | | | | | | | | |
| RED SPOT WESTLAND INC. WESTLAND | | | SIC DESCRIPTION: | PAINTS/VARNISH/LACQUERS/ENAMEL | MAP LOCATION NO: | | 1 | |
| 550 S. EDWIN ST. | | | SIC CODE: 2851 | | | | | |
| WESTLAND | MI 48185 | | | | | | | |
| N-BUTYL ALCOHOL | 5,983 | 290 | 0 | 0 | 6,273 | 0 | 33,886 | 33,886 |
| METHYL ETHYL KETONE | 3,634 | 437 | 0 | 0 | 4,071 | 0 | 21,849 | 21,849 |
| ETHYLBENZENE | 984 | 57 | 0 | 0 | 1,041 | 0 | 5,901 | 5,901 |
| METHYL ISOBUTYL KETONE | 6,817 | 397 | 0 | 0 | 7,214 | 0 | 40,984 | 40,984 |
| TOLUENE | 3,847 | 285 | 0 | 0 | 4,132 | 0 | 23,008 | 23,008 |
| XYLENE (MIXED ISOMERS) | 2,152 | 88 | 0 | 0 | 2,240 | 0 | 12,774 | 12,774 |
| GLYCOL ETHERS | 5,714 | 236 | 0 | 0 | 5,950 | 0 | 92,768 | 92,768 |
| SUBTOTALS | 29,131 | 1,790 | 0 | 0 | 30,921 | 0 | 231,170 | 231,170 |

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 FORD MOTOR CO TRI NO: 48184FRDMT38303

| Chemical Name | Air Fugitive (Non-Point Source) Emissions | Air Stack (Point Source) Emissions | Discharge to Surface Water | On-Site Land Disposal | TOTAL RELEASES | Discharge to POTW | Transfer | TOTAL TRANSFERS | |
|--|--|---|-------------------------------------|--------------------------------|-------------------|----------------------|------------------|--------------------|---|
| CUL-MAC IND. INC. 3720 S. VENOUY RD. WAYNE MI 48184 | | | SIC DESCRIPTION: SIC CODE: 2899 | CHEMICALS & CHEM PREP, NEC | | | MAP LOCATION NO: | | 2 |
| METHANOL | 250 | 250 | 0 | 0 | 500 | 0 | 0 | 0 | |
| SUBTOTALS | 250 | 250 | 0 | 0 | 500 | 0 | 0 | 0 | |
| AMERICAN JETWAY CORP. 34136 MYRTLE ST. WAYNE MI 48184 | | | SIC DESCRIPTION: SIC CODE: 2899 | CHEMICALS & CHEM PREP, NEC | | | MAP LOCATION NO: | | 3 |
| 1,1,1-TRICHLOROETHANE | 250 | 250 | 0 | 0 | 500 | 0 | 0 | 0 | |
| DICHLOROMETHANE | 250 | 250 | 0 | 0 | 500 | 0 | 33,510 | 33,510 | |
| METHYL ETHYL KETONE | 250 | 250 | 0 | 0 | 500 | 0 | 33,510 | 33,510 | |
| XYLENE (MIXED ISOMERS) | 250 | 250 | 0 | 0 | 500 | 0 | 33,510 | 33,510 | |
| | 250 | 250 | 0 | 0 | 500 | 0 | 0 | 0 | |
| SUBTOTALS | 1,250 | 1,250 | 0 | 0 | 2,500 | 0 | 100,530 | 100,530 | |
| STRUCTURAL COATINGS & CHEMICALS INC. 5645 COGSWELL RD. WAYNE MI 48184 | | | SIC DESCRIPTION: SIC CODE: 2851 | PAINTS/VARNISH/LACQUERS/ENAMEL | | | MAP LOCATION NO: | | 4 |
| XYLENE (MIXED ISOMERS) | 0 | 1,800 | 0 | 0 | 1,800 | 0 | 112,104 | 112,104 | |
| SUBTOTALS | 0 | 1,800 | 0 | 0 | 1,800 | 0 | 112,104 | 112,104 | |

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
FORD MOTOR CO TRI NO: 48184FRDMT38303

| Chemical Name | Air Fugitive (Non-Point Source) Emissions | Air Stack (Point Source) Emissions | Discharge to Surface Water | On-Site Land Disposal | TOTAL RELEASES | Discharge to POTW | Transfer | TOTAL TRANSFERS |
|---|--|---|-------------------------------------|--------------------------------|-------------------|----------------------|----------|--------------------|
| JERVIS B. WEBB CO. PLANT #4 4935 HANNON WAYNE MI 48184 | | | SIC DESCRIPTION: SIC CODE: 3535 | CONVEYORS & CONVEYING EQUIPMEN | MAP LOCATION NO: | 5 | | |
| SUBTOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UNISTRUT DIVERSIFIED PRODS. CO. 35660 CLINTON ST. WAYNE MI 48184 | | | SIC DESCRIPTION: SIC CODE: 3441 | FABRICATED STRUCTURAL METAL | MAP LOCATION NO: | 6 | | |
| PHOSPHORIC ACID | 3,415 | 0 | 0 | 0 | 3,415 | 3,998 | 0 | 3,998 |
| COPPER COMPOUNDS | 0 | 0 | 2 | 0 | 2 | 6 | 1,980 | 1,986 |
| MANGANESE COMPOUNDS | 0 | 0 | 0 | 0 | 0 | 0 | 7,106 | 7,106 |
| NICKEL COMPOUNDS | 0 | 0 | 1 | 0 | 1 | 7 | 13,754 | 13,761 |
| ZINC COMPOUNDS | 0 | 720 | 39 | 0 | 759 | 25 | 29,370 | 29,395 |
| SUBTOTALS | 3,415 | 720 | 42 | 0 | 4,177 | 4,036 | 52,210 | 56,246 |

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
FORD MOTOR CO TRI NO: 48184FRDMT38303

| Chemical Name | Air Fugitive (Non-Point Source) Emissions | Air Stack (Point Source) Emissions | Discharge to Surface Water | On-Site Land Disposal | TOTAL RELEASES | Discharge to POTW | Transfer | TOTAL TRANSFERS |
|---------------------------------------|--|---|-------------------------------------|-----------------------------|-------------------|----------------------|----------|--------------------|
| FORD MOTOR CO. WAYNE ASSEMBLY PLANT | | | SIC DESCRIPTION: | MOTOR VEHICLES & CAR BODIES | | MAP LOCATION NO: | | |
| 37625 MICHIGAN AVE. WAYNE MI 48184 | | | SIC CODE: | 3711 | | | | |
| METHANOL | 2,900 | 52,000 | 0 | 0 | 54,900 | 0 | 0 | 0 |
| N-BUTYL ALCOHOL | 380 | 75,000 | 0 | 0 | 75,380 | 0 | 36,990 | 36,990 |
| BENZENE | 250 | 53 | 0 | 0 | 303 | 0 | 0 | 0 |
| METHYL ETHYL KETONE | 18,000 | 35,000 | 0 | 0 | 53,000 | 0 | 15,120 | 15,120 |
| 1,2,4-TRIMETHYLBENZENE | 290 | 58,000 | 0 | 0 | 58,290 | 0 | 0 | 0 |
| ETHYLBENZENE | 6,100 | 47,000 | 0 | 0 | 53,100 | 0 | 81,100 | 81,100 |
| BIS(2-ETHYLHEXYL) ADIPATE | 0 | 0 | 0 | 0 | 0 | 0 | 1,300 | 1,300 |
| ETHYLENE GLYCOL | 0 | 0 | 0 | 0 | 0 | 3,000 | 0 | 3,000 |
| METHYL ISOBUTYL KETONE | 14,000 | 140,000 | 0 | 0 | 154,000 | 2,100 | 226,000 | 228,100 |
| TOLUENE | 2,400 | 12,000 | 0 | 0 | 14,400 | 0 | 12,802 | 12,802 |
| CYCLOHEXANE | 2 | 9 | 0 | 0 | 11 | 0 | 0 | 0 |
| DI(2-ETHYLHEXYL) PHTHALATE | 0 | 0 | 0 | 0 | 0 | 0 | 2,500 | 2,500 |
| XYLENE (MIXED ISOMERS) | 12,000 | 380,000 | 0 | 0 | 392,000 | 0 | 483,000 | 483,000 |
| METHYL TERT-BUTYL ETHER | 2,500 | 520 | 0 | 0 | 3,020 | 0 | 0 | 0 |
| COPPER | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| NITRIC ACID | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| COPPER COMPOUNDS | 0 | 0 | 0 | 0 | 0 | 0 | 719 | 719 |
| GLYCOL ETHERS | 580 | 110,000 | 0 | 0 | 110,580 | 30,000 | 4,200 | 34,200 |
| LEAD COMPOUNDS | 0 | 0 | 0 | 0 | 0 | 70 | 200 | 270 |
| MANGANESE COMPOUNDS | 0 | 0 | 0 | 0 | 0 | 260 | 7,600 | 7,860 |
| NICKEL COMPOUNDS | 0 | 0 | 0 | 0 | 0 | 420 | 4,400 | 4,820 |
| ZINC COMPOUNDS | 5 | 0 | 0 | 0 | 5 | 280 | 14,000 | 14,280 |
| SUBTOTALS | 59,417 | 909,582 | 0 | 0 | 968,999 | 36,130 | 889,931 | 926,061 |

| | | | | | | | | |
|--|-------|---|------------------|----------------------|-------|------------------|-----|-----|
| FORD MOTOR CO. WAYNE INTEGRAL STAMPING | | | SIC DESCRIPTION: | AUTOMOTIVE STAMPINGS | | MAP LOCATION NO: | | |
| 37500 VAN BORN WAYNE MI 48184 | | | SIC CODE: | 3465 | | | | |
| METHANOL | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| N-BUTYL ALCOHOL | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| ETHYLENE GLYCOL | 0 | 0 | 0 | 0 | 0 | 1 | 130 | 131 |
| XYLENE (MIXED ISOMERS) | 120 | 0 | 0 | 0 | 120 | 0 | 1 | 1 |
| NICKEL | 250 | 0 | 0 | 0 | 250 | 0 | 250 | 250 |
| COPPER COMPOUNDS | 250 | 0 | 0 | 0 | 250 | 0 | 125 | 125 |
| GLYCOL ETHERS | 200 | 0 | 0 | 0 | 200 | 0 | 0 | 0 |
| ZINC COMPOUNDS | 250 | 0 | 0 | 0 | 250 | 0 | 51 | 51 |
| SUBTOTALS | 1,075 | 0 | 0 | 0 | 1,075 | 1 | 557 | 558 |

Ford Motor Company

Wayne Wayne County, Michigan

Latitude: 42 16 41 N
Longitude: 83 25 1 W

MAP KEY:

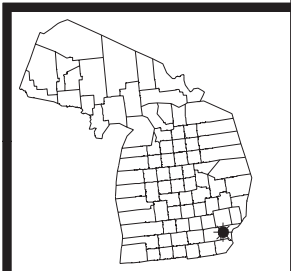
- County Boundaries
- Inter State Highway
- US Highway
- Rail Road
- One Mile
- Three Miles
- Five Miles

POPULATION DENSITY / SQ. MILE

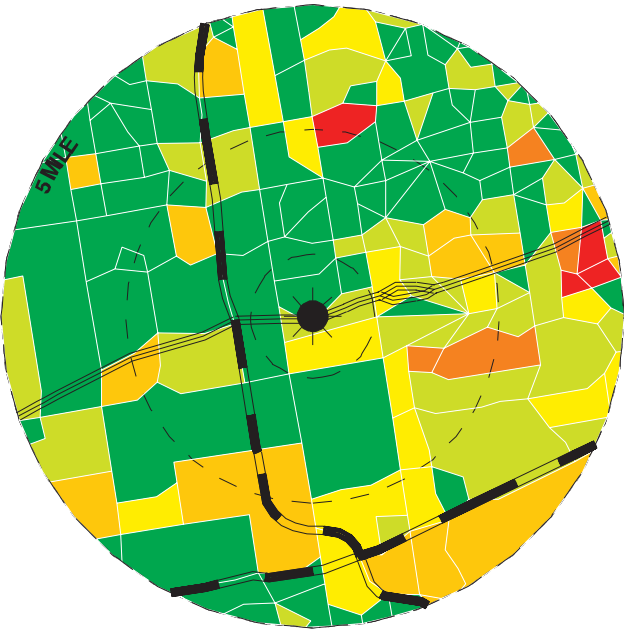
- Greater than 10000
- 1000 - 10000
- 100 - 1000
- 10-100
- 1-10

Minority, poverty, and High School Incomplete percentages

- Greater than 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10



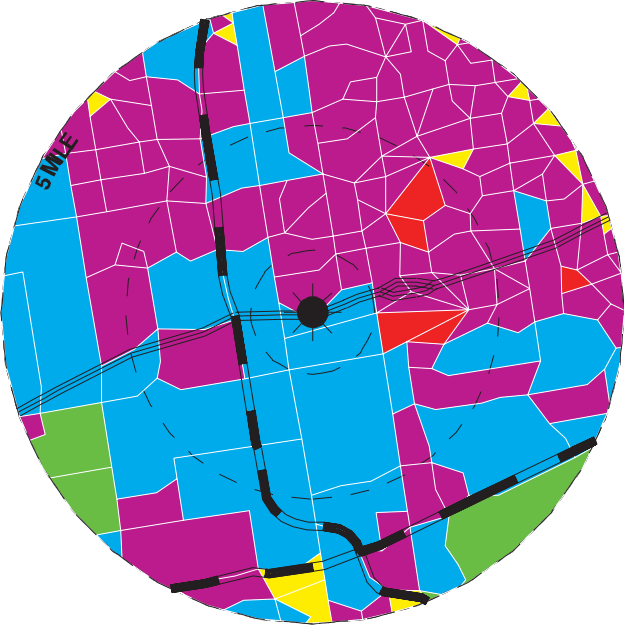
Percentage of Total Population Below Poverty Level



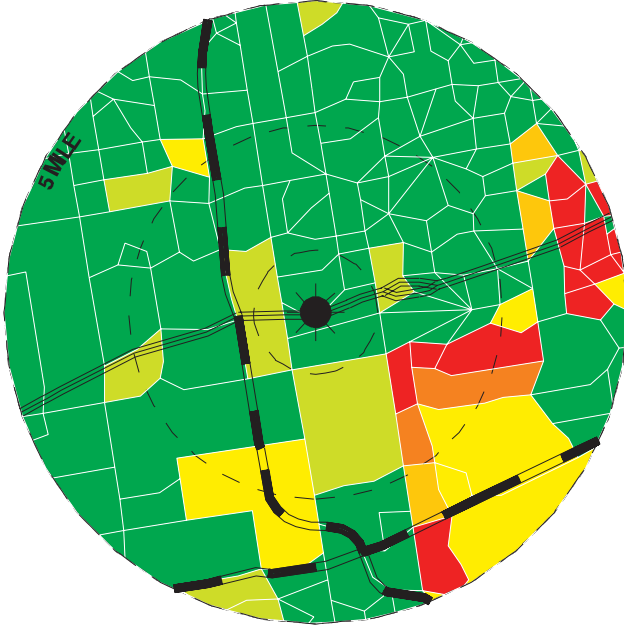
Percentage of Population not Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population



Ford Motor Company

Wayne Wayne County, Michigan

Latitude: 42 16 41 N
Longitude: 83 25 1 W

MAP KEY:

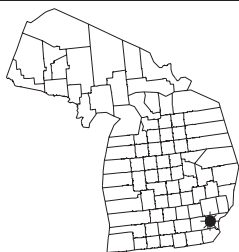
POPULATION DENSITY / SQ. MILE

- County Boundaries
- Inter State Highway
- US Highway
- Rail Road
- One Mile
- Three Miles
- Five Miles

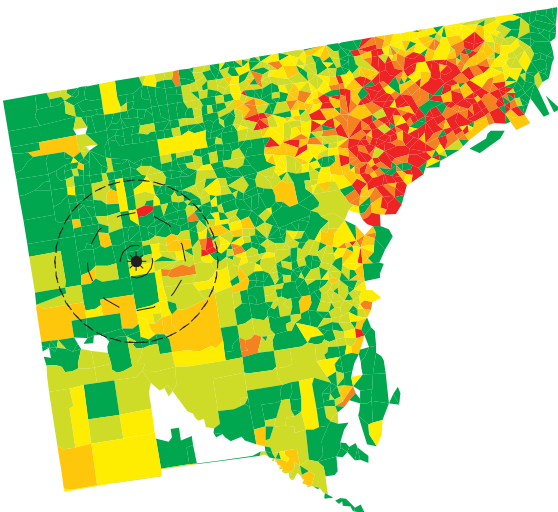
- Greater than 10000
- 1000 - 10000
- 100 - 1000
- 10-100
- 1-10

Minority, poverty, and High School
Incomplete percentages

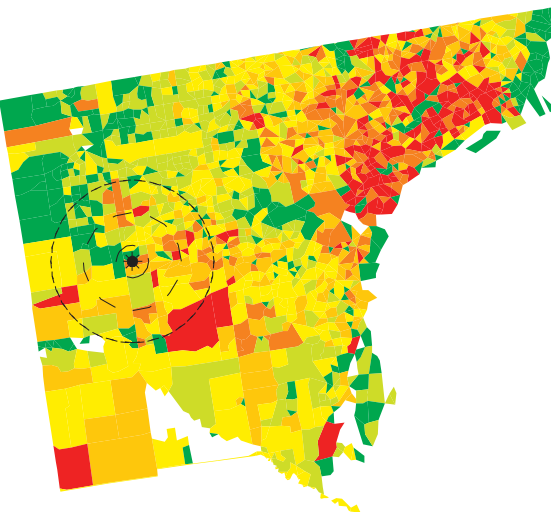
- Greater than 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10



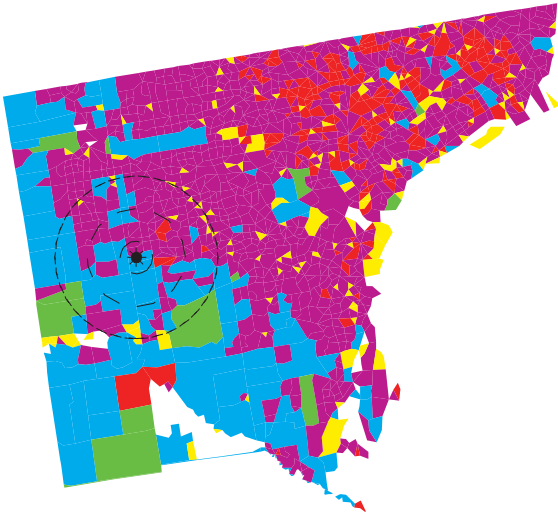
Percentage of Total Population
Below Poverty Level



Percentage of Population not
Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population

